UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER OF PATENTS AND TRADEMARKS Washington, D.C. 20231 www.uspto.gev

NOTICE OF ALLOWANCE AND FEE(S) DUE

22195

7590

08/15/2002

HUMAN GENOME SCIENCES INC 9410 KEY WEST AVENUE ROCKVILLE, MD 20850 EXAMINER
HUFF, SHEELA JITENDRA
ART UNIT CLASS-SUBCLASS

514-012000

DATE MAILED: 08/15/2002

1642

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/512,363	02/23/2000	Jian Ni	PF396P1	4726

TITLE OF INVENTION: HUMAN TUMOR NECROSIS FACTOR RECEPTOR-LIKE PROTEINS TRII, TRIISVI AND TRIISV2

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1280	\$0	\$1280	11/15/2002

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (OR AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WILL BE REGARDED AS ABANDONED.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above. If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is changed, pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above and notify the United States Patent and Trademark Office of the change in status, or

B. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check the box below and enclose the PUBLICATION FEE and 1/2 the ISSUE FEE shown above.

Applicant claims SMALL ENTITY status.
 See 37 CFR 1.27.

II. PART B - FEE(S) TRANSMITTAL should be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B - Fee(s) Transmittal should be completed and returned. If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Box ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.



PART B - FEE(S) TRANSMITTAL



Complete and send this form, together with applicable fee(s), to: Mail Box ISSUE FEE

Commissioner for Patents Washington, D.C. 20231

Fax (703)746-4000

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 4 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

HUMAN GENOME SCIENCES INC 9410 KEY WEST AVENUE ROCKVILLE, MD 20850 Teleform and the control of the control o	maintenance fee notification	is.			-	ress; and/or (b) indicating a sep	
HUMAN GENOME SCIENCES INC 9410 KEY WEST AVENUE ROCKVILLE, MD 20850 Certificate of Mailing or Transmission Lifercy certify that this Fe(s) Transmission that the transmission Lifercy certify that this Fe(s) T				Block i)	Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other		
Opening the Part Note of State of Mailing or Transmission Lord Application for Part Note of State of S			~		accompanying p	apers. Each additional paper,	such as an assignment or
ROCKVILLE, MD 20850 I hereby certify that this Fee(s) Transmittal is being deposited with the United States Feed Transmittal is being deposited with the United States Feed Transmittal is being deposited with the United States Feed Transmittal is being deposited with the United States Feed Transmittal is being deposited with the United States Feed Transmittal is being deposited with the United States Feed Transmittal is being deposited with the United States Feed Transmittal is being deposited with the United States Feed Transmittal is being deposited with the United States Feed Transmittal is being deposited with the United States Feed Transmittal is being deposited with the United States Feed Transmittal is being deposited with the United States Feed Transmittal is being deposited with the United States Feed Transmittal is being deposited with the United States Feed Transmittal is being deposited with the United States Feed Transmittal is being deposited with the United States Feed Transmittal is being deposited with the United States Feed Transmittal is being deposited with the United States Feed Transmittal is being deposited with the united being the United States Feed Transmittal Indicates and the United States Feed Transmittal Indicates and the United States Feed Transmittal Indicates and the United States Feed Transmittal Indicates			9		2,		•
APPLICATION NO. FILING DATE FIRST NAMED INVESTOR ATTORNEY DOCKET NO. CONFIRMATION NO. 99/512,363 02/23/2000 Jian Ni PF396P1 4726 APPLICATION TUMOR NECROSIS FACTOR RECEPTOR LIKE PROTEINS TR11, TR11SV1 AND TR11SV2 APPLICATION TUMOR NECROSIS FACTOR RECEPTOR LIKE PROTEINS TR11, TR11SV1 AND TR11SV2 APPLICATION TO S1280 Jian Ni PF396P1 4726 APPLICATION TO S1280 S1280 Jian Ni PF396P1 4726 APPLICATION TO S1280 S1280 S1280 III/15/2002 APPLICATION FEE SMALL ENTITY ISSUE FEE PUBLICATION FEE TOTAL FEE(S) DUE DATE DUE nonprovisional NO S1280 S1280 III/15/2002 EXAMINER ART UNIT CLASS-SUBCLASS HUFF, SMEELA JITENDRA 1642 514-012000 1. Change of correspondence address or indication of "Fee Address" (17) the names of up to 3 registered patent attorneys or agents of the amens of up to 3 registered patent attorneys or agents of a single firm (laving as a member a registered attorneys or agents and the amens of up to 3 registered patent attorneys or agent and the amens of up to 3 registered patent attorneys or agent and the amens of up to 3 registered patent attorneys or agent and the amens of up to 3 registered patent attorneys or agent and the amens of up to 3 registered patent attorneys or agent and the amens of up to 3 registered patent attorneys or agent and the amens of up to 3 registered patent attorneys or agent and the amens of up to 3 registered patent attorneys or agent and the amens of up to 2 registered patent attorneys or agent and the amens of up to 2 registered patent attorneys or agent and the amens of up to 2 registered patent attorneys or agent and the amens of up to 2 registered patent attorneys or agent and the amens of up to 2 registered patent attorneys or agent attorneys or agent attorneys or agent and the amens of up to 2 registered patent attorneys or agent attorneys or age					I hereby certify United States Po envelope address	that this Fee(s) Transmittal is	being denosited with the
APPLICATION NO. FILING DATE FIRST NAMED INVENTOR ATTORY DOCKET NO. CONFIRMATION NO. 99/512,363 02/23/2000 Jian Ni FF396P1 4726 TITLE OF INVENTION: HUMAN TUMOR NECROSIS FACTOR RECEPTOR-LIKE PROTEINS TR11, TR11SV1 AND TR11SV2 APPLN. TYPE SMALL ENTITY ISSUE FEE PUBLICATION FEE TOTAL FEE(S) DUE DATE DUE nonprovisional NO S1280 S0 S1280 11/15/2002 EXAMINER ART UNIT CLASS SUBCLASS HUFF, SHEELA JITENDRA 1642 514-012000 1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363). 1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363). 1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363). 1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363). 1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363). 1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363). 1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363). 1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363). 1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363). 1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363). 1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363). 1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363). 1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363). 1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363). 1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363). 1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363). 1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363). 1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363). 1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363). 2. Fee printing on the patent					Transmitted to the	e OSI 10, oil the date indicated t	(Depositor's name)
APPLICATION NO. FILING DATE FIRST NAMED INVENTOR ATTORNEY DOCKET NO. CONFIRMATION NO. 99/512,363 02/23/20000 Jian Ni P7396P1 4726 TITLE OF INVENTION: HUMAN TUMOR NECROSIS FACTOR RECEPTOR-LIKE PROTEINS TR11, TR11SV1 AND TR11SV2 APPLN. TYPE SMALL ENTITY ISSUE FEE PUBLICATION FEE TOTAL FEE(S) DUE DATE DUE nonprovisional NO \$1280 \$0 \$1.280 \$1.280 \$1.1/15/2002 EXAMINER ART UNIT CLASS-SUBCLASS HUFF, SHEELA JITENDRA 1642 514-012000 1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.563). 1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.563). 1. Change of correspondence address or indication form prior ShB/122) attached. 1. Change of correspondence address or indication form prior ShB/122) attached. 1. Change of correspondence address or indication form prior ShB/122) attached. 1. Change of correspondence address or indication form prior ShB/122) attached. 1. Change of correspondence address or indication form prior ShB/122 attached. 1. Change of correspondence address or indication form prior signal to the correspondence address or indication form prior signal to the correspondence address or indication form prior signal to the correspondence address or indication form prior signal to the correspondence address or indication form prior signal to the correspondence address or indication form prior signal to the correspondence address or indication form prior signal to the correspondence address or indication form prior signal to the correspondence address or indication form prior signal to the correspondence address or indication form prior signal to the correspondence address or indication form prior signal to the correspondence address or indication form prior signal to the correspondence address or indication form prior signal to the correspondence address or indication form prior signal to the correspondence address or indication form prior signal to the correspondence address or indication form prior signal to the correspondence address or indicatio							(Signature)
APPLICATION NO. FILING DATE FIRST NAMED INVENTOR ATTORNEY DOCKET NO. CONFIRMATION NO. 09/512,363 02/23/2000 Jian Ni PF396P] 4726 TITLE OF INVENTION: HUMAN TUMOR NECROSIS FACTOR RECEPTOR-LIKE PROTEINS TR11, TR11SV1 AND TR11SV2 APPLN. TYPE SMALL ENTITY ISSUE FEE PUBLICATION FEE TOTAL FEE(5) DUE DATE DUE							(Date)
O9/512,363 O2/23/2000 Dian Ni PF396Pl 4726 TITLE OF INVENTION: HUMAN TUMOR NECROSIS FACTOR RECEPTOR-LIKE PROTEINS TR11, TR11SVI AND TR11SV2 APPLN. TYPE SMALL ENTITY ISSUE FEE PUBLICATION FEE TOTAL FEE(S) DUE DATE DUE nonprovisional NO \$1280 S0 \$1280 I1/15/2002 EXAMINER ART UNIT CLASS-SUBCLASS HUFF, SHEELA JITENDRA 1642 514-012000 L Change of correspondence address or indication of "Fee Address" (37 CFR. 1,563). Change of correspondence address (or Change of Correspondence Address from PTO/SB1/2) attached. The Change of correspondence address (or Change of Correspondence Address from PTO/SB1/2) attached. The Change of correspondence address (or Change of Correspondence Address from PTO/SB1/2) attached. The Change of correspondence address (or Change of Correspondence Address from PTO/SB1/2) attached. The Change of correspondence address (or Change of Correspondence Address from PTO/SB1/2) attached. The Change of correspondence address (or Change of Correspondence Address from PTO/SB1/2) attached. The Change of correspondence address (or Change of Correspondence Address from PTO/SB1/2) attached. The Change of correspondence address (or Change of Correspondence Address from PTO/SB1/2) attached. The Change of correspondence address (or Change of Correspondence Address from PTO/SB1/2) attached. The Change of correspondence address (or Change of Correspondence Address from PTO/SB1/2) attached. The Change of correspondence address (or Change of Correspondence Address from PTO/SB1/2) attached. The Change of correspondence address (or Change of Correspondence Address from PTO/SB1/2) attached. The Change of correspondence address (or Change of Correspondence Address from PTO/SB1/2) attached. The Change of correspondence address (or Change of Correspondence Address from PTO/SB1/2) attached. The Change of correspondence address from PTO/SB1/2 attached. The Change of correspondence address from PTO/SB1/2 attached. The Change of correspondence address from PTO/SB1/2 attached. The Change of correspondence			.				T
APPLN. TYPE SMALL ENTITY ISSUE FEE PUBLICATION FEE TOTAL FEE(S) DUE DATE DUE nonprovisional NO \$1280 \$0 \$1280 \$11/15/2002 EXAMINER ART UNIT CLASS-SUBCLASS HUFF, SHEELA JITENDRA 1642 514-012000 1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.563). Change of correspondence address (or Change of Correspondence Address form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required. 3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type) PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. Inclusion of assignee data is only appropriate when an assignment has been previously submitted to the USPTO or is being submitted under separate cover. Completion of this form is NOT a substitute for filing an assignment. (A) NAME OF ASSIGNEE (B) RESIDENCE: (CITY and STATE OR COUNTRY) Please check the appropriate assignee category or categories (will not be printed on the patent) individual corporation or other private group entity government of the fee(s) are enclosed: 4b. Payment of Fee(s): D Advance Order - # of Copies D Advance Order - # of	L		FIRS		TOR	L .	l
APPLN.TYPE SMALL ENTITY ISSUE FEE PUBLICATION FEE TOTAL FEE(S) DUE DATE DUE nonprovisional NO \$1280 S0 \$1280 11/15/2002 EXAMINER ART UNIT CLASS-SUBCLASS HUFF, SHEELA JITENDRA 1642 514-012000 1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.563). Change of correspondence address or indication of "Fee Address" (37 the name of a Address from PTO/SB/1/20) attached. D "Fee Address" indication (or "Fee Address" indication form PTO/SB/1/20) attached. U "Fee Address" indication (or "Fee Address" indication form PTO/SB/1/20) attached. Use of a Customer Number is required. 3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or year) and the names of up to 3 registered patent attorneys or agents. If no name is listed, no name will be printed. 3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or year) and the names of up to 3 registered patent attorneys or agents. If no name is listed, no name will be printed. 3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or year) and the names of up to 3 registered patent attorneys or agents. If no name is listed, no name will be printed. 3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or year) and the names of up to 3 registered patent attorneys or agents. If no name is listed, no name will be printed. 3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or year) and the names of up to 3 registered patent attorneys or agents. If no name is listed, no name will be printed on the patent. Inclusion of assignee data is only appropriate when an assignment has been previously submitted to the USPTO or is being submitted under separate cover. Completion of this form is NOT a substitute for filing an assignment in the patent inclusion of the submit of the patent inclusion of the registered patent attributed by charge the required fee(s), or credit any overpayment, to general value of the patent inclusion of the United State Patent and Transmant Office.			UC FACTOR RECERT		Thio while while		4726
Description NO S1280 S0 S1280 S128	TITLE OF INVENTION: H	UMAN TUMOR NECROS	SIS FACTOR RECEPT	OR-LIKE PROTI	EINS TRII, TRIIS	SV1 AND TR11SV2	
Description NO S1280 S0 S1280 S128							
Description NO S1280 S0 S1280 S128							
EXAMINER	APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBL	ICATION FEE	TOTAL FEE(S) DUE	DATE DUE
HUFF, SHEELA JITENDRA 1642 514-012000 1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363). □ Change of correspondence address (or Change of Correspondence Address from PTO/SB/122) attached. □ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47, Rev 03-02 or more recent) attached. Use of a Customer Number is required. 3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type) PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent, Inclusion of assignee data is only appropriate when an assignment has been previously submitted to the USPTO or is being submitted under separate cover. Completion of this mis NOT a substitute for filing an assignment. (A) NAME OF ASSIGNEE Please check the appropriate assignee category or categories (will not be printed on the patent) a. The following fee(s) are enclosed: a. The following fee(s) are enclosed: b. Payment of Fee(s): □ Issue Fee □ A check in the amount of the fee(s) is enclosed. □ Payment by credit card. Form PTO-2038 is attached. □ Payment by credit card. Form PTO-2038 is attached. □ The Commissioner is hereby authorized by charge the required fee(s), or credit any overpayment, to peopsit Account Number (enclose an extra copy of this form). Commissioner for Patents is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above. NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignce or other party in interest as shown by the receded of the United States Patent and Trademark Office.	nonprovisional	NO	\$1280		\$0	\$1280	11/15/2002
HUFF, SHEELA JITENDRA 1642 514-012000 1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363). □ Change of correspondence address (or Change of Correspondence Address from PTO/SB/122) attached. □ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47, Rev 03-02 or more recent) attached. Use of a Customer Number is required. 3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type) PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent, Inclusion of assignee data is only appropriate when an assignment has been previously submitted to the USPTO or is being submitted under separate cover. Completion of this mis NOT a substitute for filing an assignment. (A) NAME OF ASSIGNEE Please check the appropriate assignee category or categories (will not be printed on the patent) a. The following fee(s) are enclosed: a. The following fee(s) are enclosed: b. Payment of Fee(s): □ Issue Fee □ A check in the amount of the fee(s) is enclosed. □ Payment by credit card. Form PTO-2038 is attached. □ Payment by credit card. Form PTO-2038 is attached. □ The Commissioner is hereby authorized by charge the required fee(s), or credit any overpayment, to peopsit Account Number (enclose an extra copy of this form). Commissioner for Patents is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above. NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignce or other party in interest as shown by the receded of the United States Patent and Trademark Office.	EVAMD	JED I	ADTIBUT	CLASS STIDCI	ASC		
Change of correspondence address or indication of "Fee Address" (37 CFR I.363). Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. Use of a Customer Number is required. Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. Use of a Customer Number is a member a registered attached attached. Use of a Customer Number is required. Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. Use of a Customer Number is a member a registered attached attached. Use of a Customer Number is required. Change of correspondence address (or Change of Correspondence address form PTO/SB/122) attached. Use of a Customer Number is a member a registered attached attached. Use of a Customer Number is required attached. Use of a Customer Number is listed, no name will be printed. Change of correspondence address for Change of Correspondence and response is a member a registered attached attached. Use of a Customer Number is listed, no name will be printed. Change of Correspondence address for Patents is inclusion of a sense of up to 2 registered patent attached. Site of a gents of R. (alternatively, (2) the name of up to 2 registered patent attached. It is sited, no name will be printed. Change of Correspondence and registered attached. Use of a Customer Number is listed, no name will be printed. It is listed, no name to the patent. Inclusion of assignee data is only app				<u> </u>			
CFR 1.363). Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. D'Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required. 3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type) PLEASE NOTE: Unless an assignce is identified below, no assignee data will appear on the patent. Inclusion of assignee data is only appropriate when an assignment habeen previously submitted to the USPTO or is being submitted under separate cover. Completion of this form is NOT a substitute for filing an assignment. (A) NAME OF ASSIGNEE Please check the appropriate assignee category or categories (will not be printed on the patent) Issue Fee Payment of Fee(s): The Commissioner for Patents is requested to apply the Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agents of a sum anyone or agents of the names of up to 2 registered patent and rathorneys or agents and members are registered patent attorneys or agents and members of up to 3 registered patent attorneys or agents on a member a registered attorney or agents on a member of printed attorney or agents. If no name is listed, no name will be printed. 3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type) PLEASE NOTE: Unless an assignee data will appear on the patent. Inclusion of assignee data is only appropriate when an assignment habeen previously submitted to the USPTO or is being submitted under separate cover. Completion of this form is NOT a substitute for filing an assignment to free (if payment by redict accepted from a submitted under separate cover. Completion of the fee(s) is enclosed. D'Accepte the required fee(s), or credit any overpayment, to deposit Account Number Deposit Account Number On the patent attorneys or agent, and the names of up to 2 Indicate the names of up to 2 Indicate the names of u				314-01200			
□ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. □ "Fee Address" indication for "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required. 3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type) PLEASE NOTE: Unless an assignce is identified below, no assignce data will appear on the patent. Inclusion of assignce data is only appropriate when an assignment habeen previously submitted to the USPTO or is being submitted under separate cover. Completion of this form is NOT a substitute for filing an assignment. (A) NAME OF ASSIGNEE (B) RESIDENCE: (CITY and STATE OR COUNTRY) Please check the appropriate assignce category or categories (will not be printed on the patent) □ individual □ corporation or other private group entity □ government and the fee(s) is enclosed. □ Payment of Fee(s): □ Issue Fee □ □ A check in the amount of the fee(s) is enclosed. □ Payment by credit card. Form PTO-2038 is attached. □ Payment by credit card. Form PTO-2038 is attached. □ Payment by credit card. Form PTO-2038 is attached. □ The Commissioner is hereby authorized by charge the required fee(s), or credit any overpayment, to Deposit Account Number (enclose an extra copy of this form). Commissioner for Patents is requested to apply the Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignce or other party in interest as shown by the records of the United States Patent and Trademark Office.	 Change of corresponden CFR 1.363). 	ce address or indication of	"Fee Address" (37				
attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name recent) attached. Use of a Customer Number is required. 3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type) PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. Inclusion of assignee data is only appropriate when an assignment habeen previously submitted to the USPTO or is being submitted under separate cover. Completion of this form is NOT a substitute for filing an assignment. (A) NAME OF ASSIGNEE (B) RESIDENCE: (CITY and STATE OR COUNTRY) Please check the appropriate assignee category or categories (will not be printed on the patent) individual corporation or other private group entity government of Fee(s): Issue Fee	Change of corresponde	ence address (or Change of	Correspondence	or agents OR, alternatively, (2) the name of a			
PTOSBAYE, Rev 03-02 or more recent) attached. Use of a Customer Number is required. 3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type) PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. Inclusion of assignee data is only appropriate when an assignment has been previously submitted to the USPTO or is being submitted under separate cover. Completion of this form is NOT a substitute for filing an assignment. (A) NAME OF ASSIGNEE (B) RESIDENCE: (CITY and STATE OR COUNTRY) Please check the appropriate assignee category or categories (will not be printed on the patent) individual corporation or other private group entity government data. The following fee(s) are enclosed: D A check in the amount of the fee(s) is enclosed. Payment by credit card. Form PTO-2038 is attached. Advance Order - # of Copies Payment by credit card. Form PTO-2038 is attached. The Commissioner is hereby authorized by charge the required fee(s), or credit any overpayment, to Deposit Account Number (enclose an extra copy of this form). Commissioner for Patents is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above. NOTE; The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.							
PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. Inclusion of assignee data is only appropriate when an assignment habeen previously submitted to the USPTO or is being submitted under separate cover. Completion of this form is NOT a substitute for filing an assignment. (A) NAME OF ASSIGNEE (B) RESIDENCE: (CITY and STATE OR COUNTRY) Please check the appropriate assignee category or categories (will not be printed on the patent) 4a. The following fee(s) are enclosed: 4b. Payment of Fee(s): Issue Fee A check in the amount of the fee(s) is enclosed. Payment by credit card. Form PTO-2038 is attached. The Commissioner is hereby authorized by charge the required fee(s), or credit any overpayment, to Deposit Account Number (enclose an extra copy of this form). Commissioner for Patents is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above. (Authorized Signature) (Date) NOTE; The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.	PTO/SB/47; Rev 03-02 of			registered pater	t attorneys or agei		
PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. Inclusion of assignee data is only appropriate when an assignment habeen previously submitted to the USPTO or is being submitted under separate cover. Completion of this form is NOT a substitute for filing an assignment. (A) NAME OF ASSIGNEE (B) RESIDENCE: (CITY and STATE OR COUNTRY) Please check the appropriate assignee category or categories (will not be printed on the patent) 4a. The following fee(s) are enclosed: 4b. Payment of Fee(s): Issue Fee A check in the amount of the fee(s) is enclosed. Payment by credit card. Form PTO-2038 is attached. The Commissioner is hereby authorized by charge the required fee(s), or credit any overpayment, to Deposit Account Number (enclose an extra copy of this form). Commissioner for Patents is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above. (Authorized Signature) (Date) NOTE; The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.	3. ASSIGNEE NAME AND	RESIDENCE DATA TO	BE PRINTED ON THE	PATENT (print of	er type)		
(A) NAME OF ASSIGNEE (B) RESIDENCE: (CITY and STATE OR COUNTRY) Please check the appropriate assignee category or categories (will not be printed on the patent) individual corporation or other private group entity government 4a. The following fee(s) are enclosed: 4b. Payment of Fee(s): Issue Fee A check in the amount of the fee(s) is enclosed. Publication Fee Payment by credit card. Form PTO-2038 is attached. Advance Order - # of Copies The Commissioner is hereby authorized by charge the required fee(s), or credit any overpayment, to Deposit Account Number (enclose an extra copy of this form). Commissioner for Patents is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above. NOTE; The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.				``		assignee data is only appropria	te when an assignment has
Please check the appropriate assignee category or categories (will not be printed on the patent) 4a. The following fee(s) are enclosed: 4b. Payment of Fee(s): Issue Fee A check in the amount of the fee(s) is enclosed. Publication Fee Payment by credit card. Form PTO-2038 is attached. The Commissioner is hereby authorized by charge the required fee(s), or credit any overpayment, to Deposit Account Number (enclose an extra copy of this form). Commissioner for Patents is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above. NOTE; The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.							gnment.
4a. The following fee(s) are enclosed: 4b. Payment of Fee(s): A check in the amount of the fee(s) is enclosed. Publication Fee Advance Order - # of Copies Commissioner for Patents is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above. (Authorized Signature) (Date) NOTE; The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.	(A) WANTE OF ASSIGNED	_	(b) Id	SIDENCE. (CIT	and STATE OK	COONTRI)	
4a. The following fee(s) are enclosed: 4b. Payment of Fee(s): A check in the amount of the fee(s) is enclosed. Publication Fee Advance Order - # of Copies Commissioner for Patents is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above. (Authorized Signature) (Date) NOTE; The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.						•	
4a. The following fee(s) are enclosed: 4b. Payment of Fee(s): A check in the amount of the fee(s) is enclosed. Publication Fee Advance Order - # of Copies Commissioner for Patents is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above. (Authorized Signature) (Date) NOTE; The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.	Please check the appropriate	assignee category or categ	ories (will not be printed	d on the natent)	☐ individual	O corporation or other private of	roun entity. Digovernment
□ Issue Fee □ Publication Fee □ Advance Order - # of Copies □ The Commissioner is hereby authorized by charge the required fee(s), or credit any overpayment, to Deposit Account Number			•	• •	- marvidan	2 corporation of other private g	Toup chiny a government
□ Publication Fee □ Advance Order - # of Copies □ Payment by credit card. Form PTO-2038 is attached. □ The Commissioner is hereby authorized by charge the required fee(s), or credit any overpayment, to Deposit Account Number <u>(enclose an extra copy of this form)</u> . Commissioner for Patents is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above. (Authorized Signature) (Date) NOTE; The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.					of the fee(s) is end	closed.	
Commissioner for Patents is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above. (Authorized Signature) (Date) NOTE; The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.			🗅 Payr	nent by credit care	d. Form PTO-2038	is attached.	
Commissioner for Patents is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above. (Authorized Signature) (Date) NOTE; The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.	☐ Advance Order - # of Copies ☐ The Commissioner is Deposit Account Number			hereby authorized b	by charge the required fee(s), or	credit any overpayment, to	
(Authorized Signature) (Date) NOTE; The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.	C			·		· · · · · · · · · · · · · · · · · · ·	
NOTE; The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.	Commissioner for Patents is	requested to apply the issu	e ree and rubilcation re	ee (if any) or to re	-apply any previou	isty paid issue tee to the applicat	ion identified above.
NOTE; The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.	(Authorized Signature)		(Date)		·		
other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.	()		(===-)				
This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office LIS. Pleastment of Commerce Washington, D.C. 2021. DO	other than the applicant; a interest as shown by the rec	a registered attorney or ag cords of the United States P	gent; or the assignee o atent and Trademark O	r other party in ffice.			
NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.	This collection of information obtain or retain a benefit I application. Confidentiality estimated to take 12 minut completed application for case. Any comments on suggestions for reducing the Patent and Trademark Offinor SEND FEES OR	tion is required by 37 CFI by the public which is to is governed by 35 U.S.C. in to the USPTO. Time we the amount of time you nis burden, should be sent ce, U.S. Department of CC COMPLETED FORMS	R 1.311. The informatic file (and by the USPTC 122 and 37 CFR 1.14. The file file file file file file file fil	on is required to to process) an This collection is d submitting the n the individual his form and/or on Officer, U.S. D.C. 2023 i. DO S. SEND TO:			

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.



United States Patent and Trademark Office

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER OF PATENTS AND TRADEMARKS Washington, D.C. 20231

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/512,363 02/23/2000 Jian Ni 22195 7590 08/15/2002 HUMAN GENOME SCIENCES INC 9410 KEY WEST AVENUE ROCKVILLE, MD 20850		Jian Ni	PF396P1	4726
			EXAMINER	
		,	HUFF, SHEELA JITENDRA	
			ART UNIT	PAPER NUMBER
			1642	
			DATE MAILED: 08/15/2002	

Determination of Patent Term Extension under 35 U.S.C. 154 (b) (application filed after June 7, 1995 but prior to May 29, 2000)

The patent term extension is 0 days. Any patent to issue from the above identified application will include an indication of the 0 day extension on the front page.

If a continued prosecution application (CPA) was filed in the above-identified application, the filing date that determines patent term extension is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) system. (http://pair.uspto.gov)



United States Patent and Trademark Office

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address. COMMISSIONER OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

APPLICATION NO.	PLICATION NO. FILING DATE FIRST NAMED INVENTOR		ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/512,363 02/23/2000		Jian Ni	PF396P1	4726
22195	7590 08/15/2002	[EXAMIN	ÉR
HUMAN GEN	OME SCIENCES INC		HUFF, SHEELA	JITENDRA
ROCKVILLE, M		[ART UNIT	PAPER NUMBER
			1642	
		1	DATE MAILED: 08/15/2002	

Notice of Fee Increase on October 1, 2002

If a reply to a "Notice of Allowance and Fee(s) Due" is filed in the Office on or after October 1, 2002, then the amount due may be higher than that set forth in the "Notice of Allowance and Fee(s) Due" since there will be an increase in fees effective on October 1, 2002. See Revision of Patent and Trademark Fees for Fiscal Year 2003; Notice of Proposed Rulemaking, 67 Fed. Reg. 30634, 30636 (May 7, 2002). Although a change to the amount of the publication fee is not currently proposed for October 2002, if the issue fee or publication fee is to be paid on or after October 1, 2002, applicant should check the USPTO web site for the current fees before submitting the payment. The USPTO Internet address for the fee schedule is: http://www.uspto.gov/main/howtofees.htm.

If the issue fee paid is the amount shown on the "Notice of Allowance and Fee(s) Due," but not the correct amount in view of the fee increase, a "Notice to Pay Balance of Issue Fee" will be mailed to applicant. In order to avoid processing delays associated with mailing of a "Notice to Pay Balance of Issue Fee," if the response to the Notice of Allowance and Fee(s) due form is to be filed on or after October 1, 2002 (or mailed with a certificate of mailing on or after October 1, 2002), the issue fee paid should be the fee that is required at the time the fee is paid. If the issue fee was previously paid, and the response to the "Notice of Allowance and Fee(s) Due" includes a request to apply a previously-paid issue fee to the issue fee now due, then the difference between the issue fee amount at the time the response is filed and the previously paid issue fee should be paid. See Manual of Patent Examining Procedure, Section 1308.01 (Eighth Edition, August 2001).

Effective October 1, 2002, 37 CFR 1.18 is proposed to be revised to change the patent issue fees as set forth below. As stated above, the final fees may be a different amount, and applicant should check the web site given above when paying the fee.

(a) Issue fee for issuing each original or reissue patent, except a design or plant patent:

By a small entity (Sec. 1.27(a))--\$655.00 By other than a small entity--\$1,310.00

(b) Issue fee for issuing a design patent:

By a small entity (Sec. 1.27(a))--\$235.00 By other than a small entity--\$470.00

(c) Issue fee for issuing a plant patent:

By a small entity (Sec. 1.27(a))--\$315.00 By other than a small entity--\$630.00

Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at (703) 305-8283.

Page 4 of 4

	Application No.	Applicant(s)			
Al-4'	09/512,363	NI ET AL.			
Notice of Allowability	Examiner	Art Unit			
	Sheela J Huff	1642			
The MAILING DATE of this communication appears on the cover sheet with the correspondence address All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.					
1. This communication is responsive to the communication file	<u>led 6/28/02</u> .				
2. X The allowed claim(s) is/are 19-46 renumbered as 1-28 res					
3. The drawings filed on are accepted by the Examine	r.				
4. Acknowledgment is made of a claim for foreign priority und	der 35 U.S.C. § 119(a)-(d) or (f).				
a) ☐ All b) ☐ Some* c) ☐ None of the:					
1. Certified copies of the priority documents have	been received.				
2. Certified copies of the priority documents have	been received in Application No	·			
3. Copies of the certified copies of the priority do	cuments have been received in this i	national stage application from the			
International Bureau (PCT Rule 17.2(a)).					
* Certified copies not received:					
5. Acknowledgment is made of a claim for domestic priority up	nder 35 U.S.C. § 119(e) (to a provisi	onal application).			
(a) The translation of the foreign language provisional a		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
6. Acknowledgment is made of a claim for domestic priority up	• •				
Applicant has THREE MONTHS FROM THE "MAILING DATE" of below. Failure to timely comply will result in ABANDONMENT of	this communication to file a reply co this application. THIS THREE-MON	omplying with the requirements noted NTH PERIOD IS NOT EXTENDABLE.			
7. A SUBSTITUTE OATH OR DECLARATION must be submINFORMAL PATENT APPLICATION (PTO-152) which gives reas					
8. X CORRECTED DRAWINGS must be submitted.	`				
(a) ☐ including changes required by the Notice of Draftsper	son's Patent Drawing Review (PTO-	-948) attached			
1) ☐ hereto or 2) ☒ to Paper No. <u>11</u> .	bono ratoni brawing review (1 10	o vo, attaonou			
(b) ☐ including changes required by the proposed drawing of	correction filed which has be	oon approved by the Everniner			
(c) including changes required by the attached Examiner	s Amendment / Comment or in the C	Diffice action of Paper No			
Identifying indicia such as the application number (see 37 CFR 1 of each sheet. The drawings should be filed as a separate paper					
9. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.					
Attachment(s)					
 1 ☐ Notice of References Cited (PTO-892) 3 ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 5 ☐ Information Disclosure Statements (PTO-1449), Paper No 7 ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material 	4∐ Interview Summa 6⊠ Examiner's Ame	al Patent Application (PTO-152) ary (PTO-413), Paper No ndment/Comment ement of Reasons for Allowance			

Art Unit: 1642

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Lin Hymel on 8/2/02.

The application has been amended as follows:

Claims 1-18 have been cancelled.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sheela J Huff whose telephone number is 703-305-7866. The examiner can normally be reached on M,Th 5:30 am-2:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Anthony Caputa can be reached on 703-308-3995. The fax phone numbers for the organization where this application or proceeding is assigned are 703-308-4242 for regular communications and 703-308-4242 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-1235.

Application/Control Number: 09/512,363

Art Unit: 1642

Page 3

Sheela J. Huff J. Huw

Primary Examiner
Art Unit 1642

sjh

August 5, 2002